1	1.	A method of modifying content, comprising:
2		determining that the content has a content rating which is greater than a
3	spe	cified content rating limit;
4		identifying at least one segment of the content to be replaced;
5		obtaining at least one segment of replacement content to substitute for the
6	seg	ment content to be replaced, wherein the replacement content meets criteria for
7	a co	ontent rating which is no greater than the specified content rating limit; and
8		replacing the at least one segment of content to be replaced with the at least
9	one	segment of replacement content.
10		
11	2.	The method according to claim 1, wherein the content is identified by a first
12	Pac	ket Identifier (PID), and wherein the replacement content is identified by a
13	sec	ond PID.
14		
15	3.	The method according to claim 2, further comprising mapping the at least
16	one	segment of replacement content from the second PID to the first PID.
17		
18	4.	The method according to claim 1, wherein the obtaining is carried out by a
19	dow	nload from the Internet.
20		
21	5.	The method according to claim 1, wherein the obtaining is carried out by
22	retri	eving the replacement content from a computer readable storage medium.
23		
24	6.	The method according to claim 1, wherein the at least on segment of
25	repla	acement content contains time stamps that define a start time and a stop time
26		eplacement of each of the at least one segment of replacement content for the
27		ast one segment of content to be replaced.
28		

1	7.	The method according to claim 6, wherein the time stamps are carried in an
2	MPEC	Gadaptation field and wherein the substitution is carried out using an MPEG
3	splice	function.
4		
5	8.	The method according to claim 1, wherein the specified content rating limit
6	is obta	ained from entries made by a user.
7		
8	9.	The method according to claim 1, wherein the specified content rating limit
9	compr	rises a stored value established as part of a content entitlement package.
10		
11	10.	The method according to claim 1, carried out in a content decoding device.
12		
13	11.	The method according to claim 1, carried out in a television Set-Top Box.
14		
15	12.	The method according to claim 1, wherein the replacement content contains
16	video	which is blanked, censored or re-framed to produce a lower rating, and
17	where	in the replacement content contains audio which is blanked, over-dubbed or
18		red by masking with a sound.
19		
20	13.	A computer readable storage medium storing instructions which, when
21	execut	ed on a programmed processor, carry out a process of modifying content
22		ling to claim 1.
23		

1	14.	A method of modifying content, comprising:
2		determining that the content has a content rating which is greater than a
3	speci	ified content rating limit;
4		determining if a filter is available for the content;
5		if a filter is not available for the content, blocking the content;
6		if a filter is available for the content:
7		identifying at least one segment of the content to be replaced;
8		obtaining at least one segment of replacement content to substitute
9		for the segment content to be replaced, wherein the replacement content
10		meets criteria for a content rating which is no greater than the specified
11		content rating limit; and
12		replacing the at least one segment of content to be replaced with the
13		at least one segment of replacement content.
14		
15	15.	The method according to claim 14, wherein the content is identified by a first
16	Packe	et Identifier (PID), and wherein the replacement content is identified by a
17	secon	nd PID.
18		
19	16.	The method according to claim 15, further comprising mapping the at least
20	one s	egment of replacement content from the second PID to the first PID.
21		
22	17.	The method according to claim 14, wherein the obtaining is carried out by a
23	downl	oad from the Internet.
24		
25	18.	The method according to claim 14, wherein the obtaining is carried out by
26	retriev	ring the replacement content from a computer readable storage medium.
27		
28		

1	19. The method according to claim 14, wherein the at least on segment of
2	replacement content contains time stamps that define a start time and a stop time
3	for replacement of each of the at least one segment of replacement content for the
4	at least one segment of content to be replaced.
<b>5</b> .	
6	20. The method according to claim 19, wherein the time stamps are carried in
7	an MPEG adaptation field and wherein the substitution is carried out using an
8	MPEG splice function.
9	
10	21. The method according to claim 14, wherein the specified content rating limit
11	is obtained from entries made by a user.
12	
13	22. The method according to claim 14, wherein the specified content rating limit
14	comprises a stored value established as part of a content entitlement package.
15	
16	23. The method according to claim 14, carried out in a television Set-Top Box.
17	
18	24. The method according to claim 14, carried out in a content decoding device.
19	
20	25. A computer readable storage medium storing instructions which, when
21	executed on a programmed processor, carry out a process of modifying content
22	according to claim 14.
23	

1	26.	A method of modifying content, comprising:
2		determining that the content has a content rating which is greater than a
3	speci	fied content rating limit;
4		identifying at least one segment of the content to be replaced by retrieving
5	a filte	r for the content, wherein the filter specifies a location for each of the at least
6	one s	egment of content;
7		obtaining a segment of replacement content corresponding to each segment
8	of co	ntent to be replaced, wherein the replacement content meets criteria for a
. 9	conte	nt rating no greater than the specified content rating; and
10		replacing each segment of content to be replaced with the corresponding
11	segm	ent of replacement content.
12		
13	27.	The method according to claim 26, wherein the content is identified by a first
14	Packe	et Identifier (PID), and wherein the replacement content is identified by a
15	secor	nd PID.
16		
17	28.	The method according to claim 27, further comprising mapping the at least
18	one s	egment of replacement content from the second PID to the first PID.
19		
20	29.	The method according to claim 26, wherein the obtaining is carried out by a
21	downl	oad from the Internet.
22		
23	30.	The method according to claim 26, wherein the obtaining is carried out by
24	retriev	ring the replacement content from a computer readable storage medium.
25		
26	31.	The method according to claim 26, wherein the at least one segment of
27	replac	ement content contains time stamps that define a start time and a stop time
28	for rep	lacement of each at least one segment of replacement content for the at least
29	one se	egment of content to be replaced.

1	32.	The method according to claim 31, wherein the time stamps are carried in
2	an M	PEG adaptation field and wherein the substitution is carried out using an
3	MPE	G splice function.
4		
5	33.	The method according to claim 26, wherein the specified content rating limit
6	is obt	ained from entries made by a user.
7		
8	34.	The method according to claim 26, wherein the specified content rating limit
9	comp	rises a stored value established as part of a content entitlement package.
10		
11	35.	The method according to claim 26, carried out in a television Set-Top Box.
12		
13	36.	The method according to claim 26, carried out in a content decoding device.
14		
15	37.	The method according to claim 26, wherein the replacement content contains
16	video	which is blanked, censored or re-framed to produce a lower rating, and
17	where	ein the replacement content contains audio which is blanked, over-dubbed or
18	censo	ored by masking with a sound.
19		
20	38.	A computer readable storage medium storing instructions which, when
21	execu	ted on a programmed processor, carry out a process of modifying content
22	accord	ding to claim 26.
23		

PATENT

7	39.	A method of modifying content, comprising:
2		identifying the content by a first Packet Identifier (PID);
3		obtaining a content rating for the content;
4		obtaining a specified content rating limit;
5		determining that the content has a content rating which is greater than the
6	speci	fied content rating limit;
7		identifying a plurality of segments of the content to be replaced by retrieving
8	a filte	er for the content, wherein the filter specifies a location for each of the
9	segm	ents of content;
10		obtaining a plurality of segments of replacement content corresponding to
11	the p	lurality of segments of content to be replaced, wherein the segments of
12	replac	cement content each meet criteria for having a content rating no greater than
13	the sp	pecified content rating, and wherein the replacement content is identified by
14	a sec	ond PID; and
15		replacing each of the plurality of segments of content to be replaced with the
16	corres	sponding segments of replacement content.
17		
18	40.	The method according to claim 39, further comprising mapping the plurality
19	of seg	ments of replacement content from the second PID to the first PID.
20		
21	41.	The method according to claim 39, wherein the obtaining is carried out by a
22	downl	oad from the Internet.
23		
24	42.	The method according to claim 39, wherein the obtaining is carried out by
25	retriev	ring the replacement content from a computer readable storage medium.
26		
.7	43.	The method according to claim 39, wherein the specified content rating limit
.8	is obta	ained from entries made by a user.

1	44.	The method according to claim 39, wherein the specified content rating limit
2	comp	rises a stored value established as part of a content entitlement package.
3		
4	45.	The method according to claim 39, wherein the segments of substitute
5	conte	nt contains time stamps that define start times and stop times for substitution
6	of eac	ch segment of substitute data for the segments of content to be replaced.
7		
8	46.	The method according to claim 39, wherein the time stamps are carried in
9	an Mi	PEG adaptation field and wherein the substitution is carried out using an
10	MPEC	S splice function.
11		
12	47.	The method according to claim 39, carried out in a television Set-Top Box.
13		
14	48.	The method according to claim 39, carried out in a content decoding device.
15		
16	49.	A computer readable storage medium storing instructions which, when
17	execu	ted on a programmed processor, carry out a process of modifying content
18	accord	ding to claim 39.
19		

1	50.	A method of modifying content in a television Set-Top Box, comprising:
2		identifying the content by a first Packet Identifier (PID);
3		obtaining a content rating for the content;
4		obtaining a specified content rating limit from a stored value;
5		determining that the content has a content rating which is greater than a
6	speci	fied content rating limit;
7		determining if a filter is available for the content;
8		if a filter is not available for the content, blocking the content;
9		if a filter is available for the content:
10		downloading the filter;
11		using the filter to identify at least one segment of the content to be
12		replaced;
13		downloading at least one segment of replacement content to
14		substitute for the segment content to be replaced, wherein the replacement
15		content meets criteria for a content rating which is no greater than the
16		specified content rating limit, and wherein the replacement content is
17		identified by a second PID;
18		wherein the at least one segment of replacement content contains time
19	stamp	s that define a start time and a stop time for replacement of each of the at
20	least o	one segment of replacement content for the at least one segment of content
21	to be	replaced and wherein the time stamps are carried in an MPEG adaptation
22	field;	
23		replacing the at least one segment of content to be replaced with the
24		at least one segment of replacement content, wherein the replacing is
25		carried out using an MPEG splice function; and
26		mapping the at least one segment of replacement content from the
27		second PID to the first PID.

1	51.	A content decoding device, comprising:
2		a comparing circuit that compares a content rating of the content with a
3	spec	ified content rating limit;
4		a filter that identifies a location in the content of at least one segment of the
5	conte	ent to be replaced; and
6		a content replacer that replaces the at least one segment of content to be
7	repla	ced with at least one segment of replacement content, wherein the
8	repla	cement content meets criteria for a content rating which is no greater than the
9	spec	ified content rating limit.
10		
11	52.	The content decoding device according to claim 51, wherein the content is
12	ident	ified by a first Packet Identifier (PID), and wherein the replacement content is
13	ident	ified by a second PID.
14		
15	53.	The content decoding device according to claim 52, further comprising a PID
16	mapp	er that maps the at least one segment of replacement content from the second
17	PID to	o the first PID.
18		
19	54.	The content decoding device according to claim 51, wherein the at least one
20	segm	ent of replacement content contains time stamps that define a start time and
21	a stop	time for replacement of each at least one segment of replacement content
22	for the	e at least one segment of content to be replaced.
23		
24	55.	The content decoding device according to claim 54, wherein the time stamps
25	are ca	arried in an MPEG adaptation field and wherein the substitution is carried out
26	using	an MPEG splice function.
27		

1	56. The content decoding device according to claim 51, further comprising a		
2	modem, and wherein the replacement content is obtained by a download from the		
3	Internet.		
4			
5	57. The content decoding device according to claim 51, further comprising a		
6	computer readable storage medium, and wherein the replacement content is		
7	retrieved from the computer readable storage medium.		
8			
9	58. The content decoding device according to claim 51, further comprising a user		
10	interface, and wherein the specified content rating limit is obtained from entries		
11	made by a user.		
12	)		
13	59. The content decoding device according to claim 51, further comprising a		
14	storage device, and wherein the specified content rating limit comprises a value		
15	stored on the storage device that is established as part of a content entitlement		
16	package.		
17			
18	60. The content decoding device according to claim 51, further comprising a		
19	content player device supplying the content.		
20			
21	61. The content decoding device according to claim 51, further comprising a		
22	receiver that receives the content from one of a satellite television distribution		
23	network and a cable system distribution network.		
24			
25	62. The content decoding device according to claim 51, embodied within a		
26	television Set-Top Box.		
27			
28			

1	63. A data signal, comprising:
2	a segment of replacement content for use in replacing main content, wherein
3	the main content has a specified content rating and wherein the segment of
4	replacement content meets criteria for a lower content rating; and
5	filter data identifying a segment of main content for which the segment of
6	replacement content replaces.
7	
8	64. The data signal according to claim 63, wherein the main content is identified
9	by a first Packet Identifier (PID), and wherein the replacement content is identified
10	by a second PID.
11	
12	65. The data signal according to claim 63, stored on a computer readable
13	storage medium.
14	
15	66. The data signal according to claim 63, wherein the filter data comprises time
16	stamps that define start time and stop time for replacement of the segment of
17	replacement content for the segment of content to be replaced.
18	
19	67. The data signal according to claim 66, wherein the time stamps are carried
20	in an MPEG adaptation field.
21	
22	

1	68. A method of p	producing replacement content for replacement of segments of	
2	main content, comprising:		
3	generating se	egments of replacement content corresponding to segments of	
4	main content, wherein the segments of replacement content meet criteria for a lower		
5	content rating than that of the main content;		
6	generating filt	er data that identifies starting points and stopping points in the	
7	main content for substitution of the segments of replacement content for the mair		
8	content; and		
9	storing the filt	ter data and the segments of replacement content as one or	
10	more computer readable data.		
11			
12	69. The method a	ccording to claim 68, wherein the main content is identified by	
13	a first Packet Identifier (PID), and further comprising identifying the replacement		
14	content by a second PID.		
15			
16	70. The method a	according to claim 68, wherein the filter data comprises time	
17	stamps that define st	stamps that define start times and stop times for replacement of the segments of	
18	replacement content	for the segments of content to be replaced.	
19			
20	71. The method a	ccording to claim 70, wherein the time stamps are carried in	
21	an MPEG adaptation	field.	
22			
23	72. The method ac	ccording to claim 68, wherein the replacement content contains	
24	video which is blank	ed, censored or re-framed to produce a lower rating, and	
25		wherein the replacement content contains audio which is blanked, over-dubbed or	
26	censored by masking		
27			
28			
29			

1	75. Amethod of producing replacement content for replacement of segments of	
2	main content, comprising:	
3	generating segments of replacement content corresponding to segments of	
4	main content, wherein the segments of replacement content meet criteria for a lower	
5	content rating than that of the main content;	
6	generating filter data that identifies starting points and stopping points in the	
7	main content for substitution of the segments of replacement content for the mai	
8	content; and	
9	transmitting the filter data and the segments of replacement content to a	
10	remotely located decoding device.	
11		
12	74. The method according to claim 73, wherein the main content is identified by	
13	a first Packet Identifier (PID), and further comprising identifying the replacement	
14	content by a second PID.	
15		
16	75. The method according to claim 73, wherein the filter data comprises time	
17	stamps that define start times and stop times for replacement of the segments of	
18	replacement content for the segments of content to be replaced.	
19		
20	76. The method according to claim 75, wherein the time stamps are carried in	
21	an MPEG adaptation field.	
22		
23	77. The method according to claim 73, wherein the replacement content contains	
24	video which is blanked, censored or re-framed to produce a lower rating, and	
25	wherein the replacement content contains audio which is blanked, over-dubbed or	
26	censored by masking with a sound.	
27		